

Title (en)

Antenna assembly

Title (de)

Antennenanordnung

Title (fr)

Assemblage d'antennes

Publication

EP 0851531 A3 20000315 (EN)

Application

EP 97310161 A 19971216

Priority

- GB 9626737 A 19961223
- GB 9701064 A 19970120

Abstract (en)

[origin: EP0851531A2] An antenna assembly comprises an antenna 1, a circuit board 6 and components 9, and means 4, 8 for covering the circuitry whilst also retaining the antenna in physical connection to the circuit unit when the antenna and the circuit unit are brought together. Additionally, this device cover and retaining means 4, 8 takes the form of a deformable electrical coupler which provides an electrical coupling between the antenna and the circuit unit when the antenna and the circuit unit are brought together. The antenna is fixed via its ground region 3 to the cover 4, and this cover engages with lower member 8 and sprung pin 5 when the antenna unit is compressed onto the circuit unit. The cover 4 and lower member 8 are electrically conductive and make the ground connection between the antenna and the circuit. The sprung pin 5 makes the electrical feed connection to the antenna. The cover and retaining means may also act as a shielding device.

IPC 1-7

H01Q 1/40; **H01Q 1/52**; **H01Q 9/04**; **H01Q 23/00**

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 1/40** (2006.01); **H01Q 1/52** (2006.01); **H01Q 9/04** (2006.01); **H01Q 9/40** (2006.01); **H01Q 13/08** (2006.01); **H01Q 23/00** (2006.01)

CPC (source: EP US)

H01Q 1/40 (2013.01 - EP US); **H01Q 1/405** (2013.01 - EP US); **H01Q 1/52** (2013.01 - EP US); **H01Q 9/04** (2013.01 - EP US); **H01Q 23/00** (2013.01 - EP US)

Citation (search report)

- [X] US 5023624 A 19910611 - HECKAMAN DOUGLAS E [US], et al
- [XA] US 5258892 A 19931102 - STANTON STEPHEN M [US], et al
- [A] US 4697044 A 19870929 - ISHIKAWA KEISUKE [JP]
- [A] EP 0695044 A2 19960131 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] EP 0661918 A1 19950705 - AT & T CORP [US]

Cited by

DE10318815A1; EP1130953A4; EP1394899A3; EP1351332A1; FR2868880A1; EP1496566A4; DE102005015710A1; DE102005015710B4; US6384793B2; WO0176006A1; WO2009143863A1; WO02060009A1; US6888503B2; US8902108B2

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